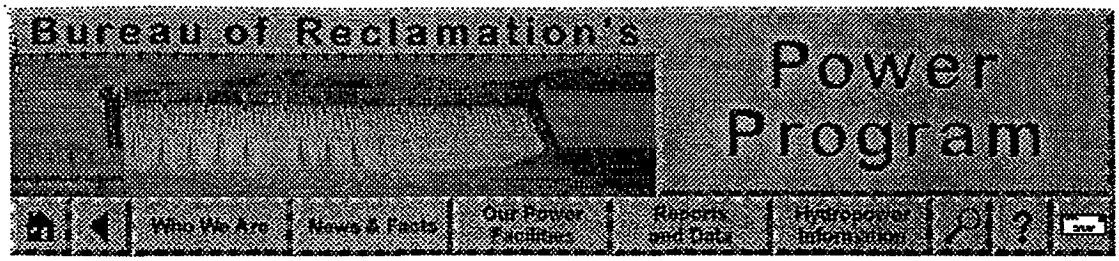
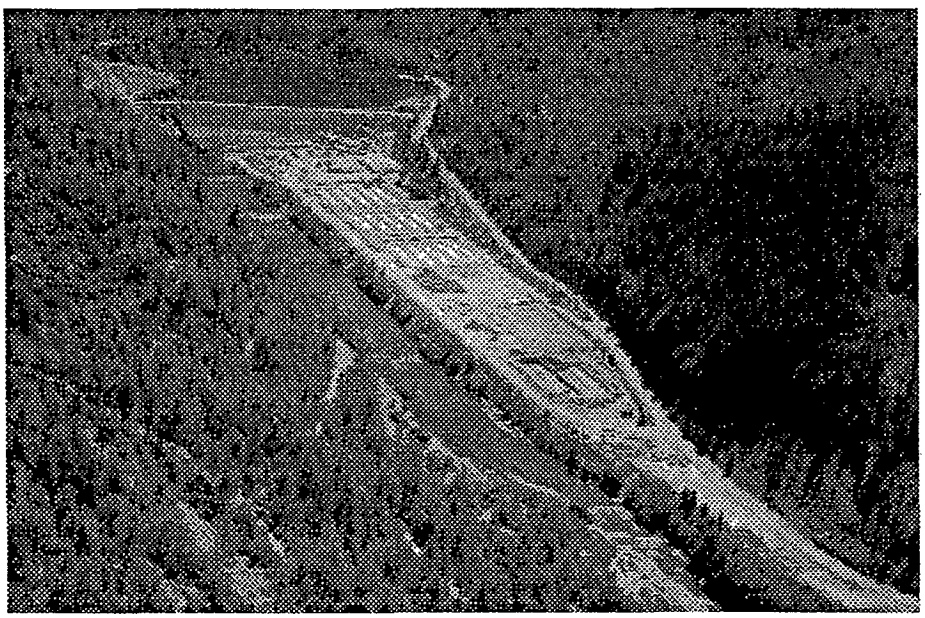


LEWISTON POWERPLANT



Lewiston Dam and Powerplant

Plant Contact:	Mike Ryan Area Manager, Northern California Area Office
Plant Address:	Lewiston Powerplant Lewiston, CA
Telephone Numbers:	Phone: (916) 275-1554 Fax: (916) 275-2441
E-Mail Address:	mryan@mp.usbr.gov
Reclamation Region:	Mid-Pacific
NERC Region:	Western Systems Coordinating Council, California-Southern Nevada Power Area
PMA Service Area:	Western Area Power Administration, Sierra Nevada Region

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Project Authorization:

Funds for construction of the initial features of the Central Valley Project were provided by the Emergency Relief Appropriation Act of 1935 (49 Stat. 115). The Secretary of the Interior authorized the project and the President approved it on December 2, 1935.

The Shasta and Trinity River Division of the Central Valley Project was authorized by Public Law 386, 84th Congress, 1st Session, approved August 12, 1955.

Project Purposes:

The Central Valley Project, one of the Nation's major water conservation developments, extends from the Cascade Range on the north to the semiarid but fertile plains along the Kern River on the south. Initial features of the project were built primarily to protect the Central Valley from crippling water shortages and menacing floods. New project units were built to provide water and power to match the continued growth of the State.

Although developed primarily for irrigation, this multiple-purpose project also provides flood control, improves Sacramento River navigation, supplies domestic and industrial water, generates electric power, conserves fish and wildlife, creates opportunities for recreation, and enhances water quality.

The Trinity River Division consists of Trinity Dam and Clair Engle Lake, Trinity Powerplant, Lewiston Dam and Lake, Lewiston Powerplant, Clear Creek Tunnel, Judge Francis Carr Powerhouse, Whiskeytown Dam and Lake, Spring Creek Tunnel and Powerplant, Spring Creek Debris Dam and Reservoir, and related pumping and distribution facilities. These facilities were built and are operated by the Bureau of Reclamation.

Plant Location:

Lewiston Powerplant is located on the Trinity River about 7 miles downstream from Trinity Dam.

Plant Facts:

Lewiston Dam is a zoned earthfill structure 91 feet high and 25 feet wide at the crest. The crest is 754 feet long. Transmission lines were constructed and operated by the Bureau of Reclamation until October 1, 1977, when they were transferred to the Western Area Power Administration, Department of Energy.

Plant Purpose:

Lewiston Powerplant is a run-of-the-river plant which provides station service to Trinity Powerplant. It also provides power to local fish hatchery loads.

Plant History:

The powerplant originally served hatchery loads and station service requirements for Trinity and Judge Francis Carr Powerplants. Administration of the contract was transferred to Western in 1977 and the interconnection contract with Pacific Gas and Electric was canceled in 1989. A new interconnection contract was signed in 1990.

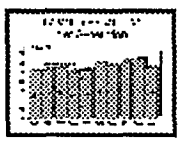
Present Activities:

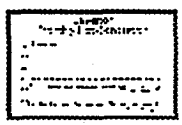
Lewiston maintains and regulates river releases. Energy in excess of hatchery loads is sold to Pacific Gas and Electric at 15 mills per kilowatt-hour.

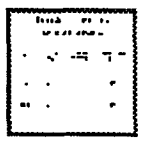
Future Planned Activities:

None

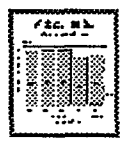
Special Issues:	Plant capacity is expected to be exceeded with proposed increases in river releases. An Independent Power Producer (IPP) has been filed for a preliminary FERC permit for an additional powerplant.
River:	Trinity River
Plant Type:	Conventional
Powerhouse Type:	Above Ground
Turbine Type:	Francis
Original Nameplate Capacity:	350 kW
Installed Capacity:	350 kW
Year of Initial Operation:	1964
Age:	33 years
Net Generation: (FY 1996)	2,710,600 kWh
Rated Head:	60 feet
Plant Factor: (FY 1996)	88.2 percent
Remotely Operated:	Yes
Production Mode:	Base Load


Fiscal Year Net Generation

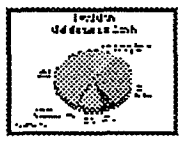

Monthly Net Generation

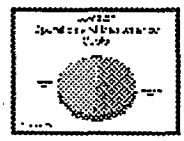

Generators

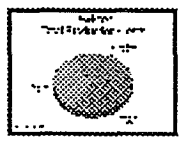

Workforce


Wholesale Firm Rate


Operation Costs


Maintenance Costs


O&M Costs


Production Costs


Availability Factor

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